

Glossary

A

ACC

area control center

ACWA

Association of California Water Agencies

af

acre-foot/acre-feet

Ag

silver

AGP

Algal Growth Potential

Al

aluminum

AL(s)

action level(s)

AO

administrative order

AVEK

Antelope Valley East Kern Water Agency

AWWA

American Water Works Association

B

B

boron

BAT

best available technology

BLM

US Bureau of Land Management

BMP(s)

Best Management Practice(s)

BOD

biochemical oxygen demand

BRP

Business Resumption Plan

BTEX

benzene, toluene, ethyl benzene, xylene

C

Ca

calcium

CalEPA

California Environmental Protection Agency

CALFED

CALFED Bay-Delta Program

CALFED's ERPP

Ecosystem Restoration Program Plan

Caltrans

California Department of Transportation

CCF

Clifton Court Forebay

CCR

Consumer Confidence Report

CCWA

Central Coast Water Authority

CCWD

Contra Costa Water District

Cd

cadmium

CDC

Centers for Disease Control and Prevention

CDEC

California Data Exchange Center

cfs

cubic feet per second

CFU

colony forming units

CI

confidence intervals

Cl

chloride

CLAWA

Crestline-Lake Arrowhead Water Agency

CLSA

closed-loop stripping analysis

CMARP

Comprehensive Monitoring, Assessment, and Research Program

CO₃

carbonate

COE

use USACE for US Army Corps of Engineers

CAFO(s)

confined animal feed operation(s)

CPMP

Coordinated Pathogen Monitoring Program

Cr

chromium

CSO

combined sewer outflows

CSS

combined sewer system

Cu

copper

CUWA

California Urban Water Agencies

CVP

Central Valley Project

CVPIA

Central Valley Project Improvement Act

CVRWQCB

Central Valley Regional Water Quality Control Board

CWRA

California Water Resources Association

CWS(s)

community water system(s)

CWTP

combined wastewater treatment plant

D**DBW**

California Department of Boating and Waterways

D/DBP(s)

disinfectant/disinfection byproduct(s)

DCC

Delta Cross Channel

DHS

California Department of Health Services

DLR

detection limit for purposes of reporting

DMC

Delta-Mendota Canal

DO

dissolved oxygen

DOC

dissolved organic carbon

DPR

California Department of Pesticide Regulation

DWCWG

CALFED Drinking Water Constituents Work Group

DWR

California Department of Water Resources

DWSAP

Drinking Water Source Assessment and Protection

E**EAP**

emergency action plan

EBMUD

East Bay Municipal Utility District

EBRPD

East Bay Regional Park District

EBX

East Branch Extension

EC

electrical conductivity

EIS/EIR

CALFED Programmatic Environmental Impact
Statement/Environmental Impact Report

ELAP

Environmental Laboratory Accreditation Program

EMWD

Eastern Municipal Water District

EPA

US Environmental Protection Agency

ERP

emergency response plan

F**F**

fluoride

Fe

iron

FERC

Federal Energy Regulating Commission

FP

filtration plant

G**GAC**

granular activated carbon

GWUDI

groundwater under direct influence

H**HAA(s)**

haloacetic acid(s)

HAA5

The regulated haloacetic acids:
monochloroacetic acid
dichloroacetic acid
trichloroacetic acid
monobromoacetic acid
dibromoacetic acid

Hg

mercury

I**ICR**

Information Collection Rule

IESWTR

Interim Enhanced Surface Water Treatment Rule

IFA

Immunofluorescent Assay

IOC(s)

inorganic contaminant(s)

Is

island

J**JOC**

DWR's Joint Operations Center

K**K**

potassium

KCWA

Kern County Water Agency

KRI

Kern River Intertie

L**L**

liters

LADWP

Los Angeles Department of Water and Power

LCID

Littlerock Creek Irrigation District

Ldg

landing

LUST

leaking underground storage tank

M**maf**

million acre-feet

MCL

maximum contaminant level

MDL

method detection limit

MF
membrane filtration

MFL
million fibers per liter

Mg
magnesium

mg/L
milligrams per liter

mgd
million gallons per day

MMM
multimedia mitigation

Mn
manganese

mp
milepost

MPN
most probable number

MPD
master plan of drainage

MRDL(s)
maximum residual disinfectant level(s)

MRDLG
maximum residual disinfectant level goal

MTBE
methyl tertiary-butyl ether

MTF
multiple tube fermentation

MWDL
matrix water detection limit

MWDSC
Metropolitan Water District of Southern California

MWQI
DWR Municipal Water Quality Investigations

N

n
number

N
nitrogen

Na
sodium

NBA
North Bay Aqueduct

NBR WTP
North Bay Regional Water Treatment Plant

NEMDC
Natomas East Main Drainage Canal

ng/L
nanogram per liter

NH₄
ammonia

NO₂
nitrite

NO₃
nitrate

NPDES
National Pollutant Discharge Elimination System

NPDWR
National Primary Drinking Water Regulation

NPS
nonpoint source

NTNCWS(s)
Nontransient, noncommunity water system(s)

NTU(s)
nephelometric turbidity unit(s)

O

O&M
DWR Division of Operations and Maintenance

OEHA
Office of Environmental Health Hazard
Assessment

OES
California Office of Emergency Services

OWE
DWR Office of Water Education

P**P**

phosphorus

PAHs

polynuclear aromatic hydrocarbons

Pb

lead

PCS(s)

potential contaminant source(s)

pH

negative log of the hydrogen ion activity

PHG(s)

public health goal(s)

PO₄

Phosphate

POC

Project Operations Center

POTWs

publicly owned treatment works

PP

pumping plant

ppb

parts per billion

PWC

personal watercraft

Q**QA/QC**

quality assurance/quality control

R**RAP**

Recovery Action Plan

RPD

relative percent difference

RWCF

regional wastewater control facility

S**SBA**

South Bay Aqueduct

SBVMWD

San Bernardino Valley Municipal Water District

SCVWD

Santa Clara Valley Water District

SCWA

Solano County Water Agency

SDWA

Safe Drinking Water Act of 1974

Se

selenium

SEMS

Standardized Emergency Management Systems

SEP

State Emergency Plant

SFRWQCB

San Francisco Regional Water Quality Control Board

SGPWA

San Geronio Pass Water Agency

SGVMWD

San Gabriel Valley Municipal Water District

SID

Solano Irrigation District

SJR

San Joaquin River

SJRMP

San Joaquin River Management Program

SLC

San Luis Canal

SMARTS

Special Multipurpose Applied Research Technology Station

SO₄

sulfate

SOC(s)

synthetic organic chemical(s)

SRA

state recreation area

SRCS

Sacramento Regional County Sanitation District

SRI

Sacramento River Index

SRWTP

Sacramento Regional Wastewater Treatment Plant

SSAC

Sanitary Survey Action Committee

SUVA

specific ultra violet absorbance

SVOC(s)

synthetic volatile organic chemical(s)

SWA

source water assessment

SWC

State Water Contractors

SWP

State Water Project

SWRCB

State Water Resources Control Board

SWTR

Surface Water Treatment Rule

T**TCE**

trichloroethylene

TCR

Total Coliform Rule

TDS

total dissolved solids

THM

trihalomethane

TKN

total Kjeldahl nitrogen

TMDL

total maximum daily loading

TOC

total organic carbon

TON

threshold odor number

TPH

total petroleum hydrocarbons

TSS

total suspended solids

TTHMFP

total trihalomethane formation potential

U**UCMR**

Unregulated Contaminant Monitoring Rule

USACE

US Army Corps of Engineers

USBR

US Bureau of Reclamation

US EPA

see EPA

USGS

US Geological Survey

UVAsee UVA₂₅₄**UVA₂₅₄**

ultraviolet absorbance measured at a wavelength of 254 nanometers

UVM

ultrasound velocity meter

V**VOC(s)**

volatile organic chemical(s)

W

WMP

watershed management plan

WQCP

water quality control plan

WQT

water quality threshold

WRF

wastewater reclamation facility

WSS

watershed sanitary survey

WTP

water treatment plant for production of drinking water

WWTP

wastewater treatment plant

Z

Zn

Zinc

Zone 7

Alameda County Flood Control and Water Conservation District – Zone 7

OTHERS

1µm

one micron

µ

µg/L

micrograms per liter

µm

micrometers

µmole/L

micromoles per liter

µS/cm

microseimens per centimeter

CONVERSION FACTORS				
Quantity	To convert from customary unit	To metric unit	Multiply customary unit by	To convert to customary unit, multiply metric unit by
Length	inches (in)	millimeters (mm)●	25.4	0.03937
	inches (in)	centimeters (cm)	2.54	0.3937
	feet (ft)	meters (m)	0.3048	3.2808
	miles (mi)	kilometers (km)	1.6093	0.62139
Area	square inches (in ²)	square millimeters (mm ²)	645.16	0.00155
	square feet (ft ²)	square meters (m ²)	0.092903	10.764
	acres (ac)	hectares (ha)	0.40469	2.4710
	square miles (mi ²)	square kilometers (km ²)	2.590	0.3861
Volume	gallons (gal)	liters (L)	3.7854	0.26417
	million gallons (10 ⁶ gal)	megaliters (ML)	3.7854	0.26417
	cubic feet (ft ³)	cubic meters (m ³)	0.028317	35.315
	cubic yards (yd ³)	cubic meters (m ³)	0.76455	1.308
	acre-feet (ac-ft)	thousand cubic meters (m ³ x 10 ³)	1.2335	0.8107
	acre-feet (ac-ft)	hectare-meters (ha - m)■	0.1234	8.107
	thousand acre-feet (taf)	million cubic meters (m ³ x 10 ⁶)	1.2335	0.8107
	thousand acre-feet (taf)	hectare-meters (ha - m)■	123.35	0.008107
	million acre-feet (maf)	billion cubic meters (m ³ x 10 ⁹)◆	1.2335	0.8107
	million acre-feet (maf)	cubic kilometers (km ³)	1.2335	0.8107
Flow	cubic feet per second (ft ³ /s)	cubic meters per second (m ³ /s)	0.028317	35.315
	gallons per minute (gal/min)	liters per minute (L/min)	3.7854	0.26417
	gallons per day (gal/day)	liters per day (L/day)	3.7854	0.26417
	million gallons per day (mgd)	megaliters per day (ML/day)	3.7854	0.26417
	acre-feet per day (ac-ft/day)	thousand cubic meters per day (m ³ x 10 ³ /day)	1.2335	0.8107
Mass	pounds (lb)	kilograms (kg)	0.45359	2.2046
	tons (short, 2,000 lb)	megagrams (Mg)	0.90718	1.1023
Velocity	feet per second (ft/s)	meters per second (m/s)	0.3048	3.2808
Power	horsepower (hp)	kilowatts (kW)	0.746	1.3405
Pressure	pounds per square inch (psi)	kilopascals (kPa)	6.8948	0.14505
	head of water in feet	kilopascals (kPa)	2.989	0.33456
Specific capacity	gallons per minute per foot of drawdown	liters per minute per meter of drawdown	12.419	0.08052
Concentration	parts per million (ppm)	milligrams per liter (mg/L)	1.0	1.0
Electrical conductivity	micromhos per centimeter	microsiemens per centimeter (mS/cm)	1.0	1.0
Temperature	degrees Fahrenheit (°F)	degrees Celsius (°C)	(°F - 32)/1.8	(1.8 x °C) + 32
<p>● When using “dual units,” inches are normally converted to millimeters (rather than centimeters).</p> <p>■ Not used often in metric countries, but is offered as a conceptual equivalent of customary western U.S. practice (a standard depth of water over a given area of land).</p> <p>◆ ASTM Manual E380 discourages the use of billion cubic meters since that magnitude is represented by giga (a thousand million) in other countries. It is shown here for potential use for quantifying large reservoir volumes (similar to million acre-feet).</p>				
OTHER COMMON CONVERSION FACTORS				
1 cubic foot=7.48 gallons=62.4 pounds of water			1 acre-foot=325,900 gallons=43,560 cubic feet	
1 cubic foot per second (cfs)=450 gallons per minute (gpm)			1 million gallons=3.07 acre-feet	
1 cfs=646,320 gallons a day=1.98 ac-ft a day			1 million gallons a day (mgd)=1,120 ac-ft a year	